

CHICKEN c-SRC cDNA

(SEQ ID NO:2)

1 tctgacaccc atctgtctgt ctgtctgtgt gctgcaggag ctgagctgac tctgtgtgg
61 cctcgcgtac cactgtggcc aggcggtagc tgggacgtgc agcccaccac catggggagc
121 agcaagagca agcccaagga cccagccag cgccggcgca gcctggagcc acccgacagc
181 acccaccacg ggggattccc agcctcgcag accccaaca agacagcagc ccccgacacg
241 caccgcaccc ccagccgctc ctttgggacc gtggccaccg agcccaagct cttcgggggc
301 ttcaacactt ctgacaccgt tacgtcgccg cagcgtgccg gggcactggc tggcggcgtc
361 accactttcg tggctctcta cgactacgag tcccggactg aaacggactt gtcctcaag
421 aaaggagAAC gcctgcagat tgtacaac acggaagggtg actggtggct ggctcatcc
481 ctactacag gacagacggg ctacatcccc agtaactatg tcgcgccctc agactccatc
541 caggctgaag agtgggtactt tgggaagatc actcgtcggg agtccgagcg gctgtgtc
601 aaccccgaaa acccccgggg aaccttctt gtccgggaga gcgagacgac aaaaggtgcc
661 tattgcctct cgtttctga ctttgacaac gccaaagggc tcaatgtgaa gactacaag
721 atccgcaagc tggacagcgg cggtctctac atcacctcac gcacacagtt cagcagcctg
781 cagcagctgg tggcctacta ctccaaacat gctgatggct tgtgccaccg cctgaccaac
841 gtctgccccA cgccaagcc ccagaccag ggactcgcca aggacgcgtg ggaaatcccc
901 cgggagtcgc tgcggctgga ggtgaagctg gggcagggct gctttggaga ggtctggatg
961 gggacctgga acggcaccac cagagtggcc ataaagactc tgaagcccgg caccatgtcc
1021 ccggaggcct tcctgcagga agcccaagtg atgaagaagc tccggcatga gaagctggtt
1081 cagctgtacg cagtgggtgc ggaagagccc atctacatcg tcactgagta catgagcaag
1141 gggagcctcc tggatttct gaaggagag atgggcaagt acctcgggt gccacagctc
1201 gtcgatatgg ctgtcagat tgcacccggc atggcctatg tggagaggat gaactacgtg
1261 caccgagacc tgcgggcggc caacatcctg gtgggggaga acctggtgtg caaggtggct
1321 gactttgggc tggcacgcct catcaggac aacgagtaca cagcacggca aggtgccaaag
1381 ttccccatca agtggacagc cccgaggca gccctctatg gccgggtcac catcaagtcg
1441 gatgtctggt ccttcggcat cctgtgact gagctgacca ccaagggccg ggtgccatac
1501 ccagggatgg tcaacaggga ggtgctggac caggtggaga ggggctaccg catgccctgc
1561 ccgcccagat gcccagatc gctgcatgac ctcatgtgcc agtctgtgag gagggaccct
1621 gaggagcggc ccactttga gtacctgcag gccttcctgg aggactacti cacctcgaca
1681 gagccccagt accagcctgg agagaacct taggcctgga gctcctcctg gaccagaggg
1741 ctgctgtgg ggtacaggg

FIG. 1

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CHICKEN cSRC ENCODED PROTEIN

(SEQ ID NO:3)

MGSSKSKPKDPSQRRRSLEPPDSTHHGGFPASQTPNKTA
PDTHRTPSRSFGTVATEPKLFGGFNTSDTVTSPQRAGALA
GGVTTFVALYDYESRTETDLSFKKGERLQIVNNTGDDWWL
AHSLTTGQTGYIPSNYVAPSDSIQAEWYFGKITRRESER
LLNPENPRGTFLVRESETTKGAYCLSVSDFDNAKGLNVK
HYKIRKLDSGGFYITSRTQFSSLQQLVAYYSKHADGLCHR
LTNVCPTSKPQTQGLAKDAWEIPRESLRLEVKLGGQCFGE
VWMGTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRHE
KLVQLYAVVSEPIYTVTEYMSKGSLLDFLKGEMGKYLRL
PQLVDMAAQIASGMAYVERMNYVHRDLRAANILVGENL
VCKVADFGLARLIEDNEYTARQGAKFPIKWTAPAAALYGR
FTIKSDVWSFGILLTELTTKGRVPYPGMVNREVLDQVERG
YRMPCPPECPESLHDLMCQCWRRDPEERPTFEYLQAFLE
DYFTSTEPQYQPGENL

FIG. 2

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HUMAN c-SRC cDNA

(SEQ ID NO:4)

1 ggcgcgcgtc ccgcaggccg tgatgccgcc cgcgcggagg tggcccggac cgcagtgcc
61 caagagagct ctaatgttac caagtacag gttggctta ctgtactcg gggacgccag
121 agtcctgag aagatgtcag caatacaggc cgctggcca tccgtacag aatgtattgc
181 caagtacaac ttccacggca ctgccgagca ggacctgccc ttctgcaaag gagacgtgct
241 caccattgtg gccgtcacca aggaccccaa ctggtacaaa gccaaaaaca aggtgggccg
301 tgagggcatc atcccagcca actacgtcca gaagcgggag ggcgtgaagg cgggtaccaa
361 actcagctc atgccttgg tccacggcaa gatcacagg gagcaggctg agcggctct
421 gtacccgccg gagacaggcc tgttctggt gcgggagagc accaactacc ccggagacta
481 cagctgtgct gtgagctgcg acggcaagg ggagcactac cgcacatgt accatgccag
541 caagctcagc atcgacgagg aggtgtactt tgagaacctc atgcagctgg tggagcacta
601 cacctcagac gcagatggac tctgtacgc cctcattaaa ccaaaggta tggagggcac
661 agtggcggcc caggatgagt tctaccgcag cggctgggcc ctgaacatga aggagctgaa
721 gctgctgcag accatcggga agggggagtt cggagacgtg atgctgggcg attaccgagg
781 gaacaaagtc gccgtcaagt gcattaagaa cgacgccact gccaggcct tcctggctga
841 agcctcagtc atgacgcaac tgcggcatag caacctggtg cagctcctgg gcgtgatct
901 ggaggagaag ggcgggctct acatcgtcac tgagtacatg gccaaaggga gccttgtgga
961 ctacctgcgg tctaggggtc ggtcagtgt gggcgggagc tgtctctca agttctcgt
1021 agatgtctgc gaggccatgg aatacctgga gggcaacaat ttcgtgcac gagacctggc
1081 tgcccgaat gtgtggtgt ctgaggacaa cgtggccaag gtcagcgact ttgtctcac
1141 caaggaggcg tccagcacc aggacacggg caagctgcca gtcaagtga cagccctga
1201 ggccctgaga gagaagaaat tctccactaa gtctgacgtg tggagtctc gaatcctct
1261 ctgggaaatc tactccttg ggcgagtgcc ttatccaaga attcccctga aggacgtcgt
1321 cctcgggtg gagaagggt acaagatgga tgccccgac ggctgcccgc ccgagctta
1381 tgaagtcag aagaactgt ggcacctgga cgcggccatg cggccctct tctacagct
1441 ccgagagcag ctgagcaca tcaaaacca cgagctgcac ctgtgacggc tggcctccg
1501 ctgggtcatg ggcctgtggg gactgaacct ggaagatcat ggacctggtg ccctgtctca
1561 ctgggcccga gcctgaactg agcccagcg ggctggcggg ctttttct gcgtcccage
1621 ctgcacctc ccggccccgt ctctttgga ccacctgtg ggcctgggg agccactga
1681 ggggccaggg aggaaggagg ccacggagcg ggaggcagcg cccaccacg tcgggctcc
1741 ctggcctccc gccactgcc ttcttagagt ttattccti tctttttg agattttt
1801 tccgtgtgti ttttttat tttttcaa gataaggaga aagaaagtac ccagcaaat
1861 ggcattttac aagaagtacg aatcttatt ttctgtct gcccgtgagg gtggggggga
1921 ccgggcccct ctctagggac ccctcggccc agcctcatt cccattctgt gtcccatgtc
1981 ccgtgtctcc tcggtcggc cgtgttgcg ctgacctg ttgactgt tgcatgcgc
2041 cgaggcagac gtctgtcagg ggcttggtt tcgtgtgcc ctgccaccg cccaccgcc
2101 ttgtgagatg gaattgtaat aaaccacgcc atgaggacac cgccgcccgc ctcggcgctt
2161 cctccaccga aaaaaaaaaa aaaaaaa

FIG. 3

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HUMAN c-SRC ENCODED PROTEIN

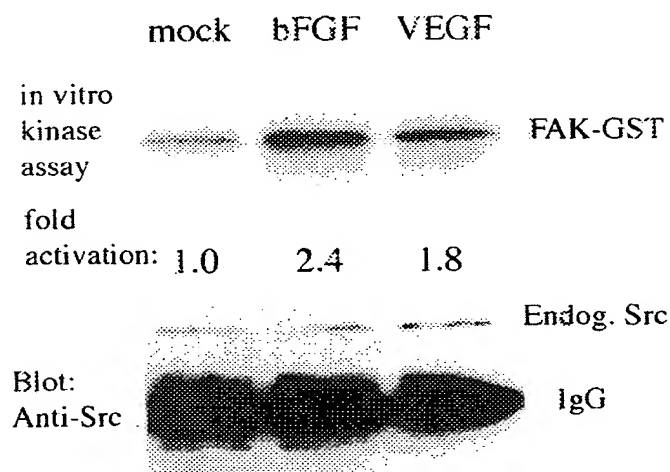
(SEQ ID NO:5)

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REQAERLLYPPETGLFLVRESTNYPGDYTLCVSCDGKVEHYRIMY
HASKLSIDEEVYFENLMQLVEHYTSDADGLCTRLIKPKVMEGTVA
AQDEFYRSGWALNMKELKLLQTIGKGEFGDVMLGDYRGNKVAV
KCIKNATAQAFLAEASVMTQLRHSNLVQLLGVIVEEKGGLYIVTE
YMAKGSLVDYLRSRGRSVLGGDCLLKFSLDVCEAMEYLEGNFVH
RDLAARNVLVSEDNVAKVSDFGLTKEASSTQDTGKLPVKWTAPEAL
REKKFSTKSDVWSFGILLWEIYSFGRVPYPRIPLKD VVPRVEKGYKM
DAPDGCPPAVYEVMKNCWHLDAAMRPSFLQLREQLEHIKTHELHL

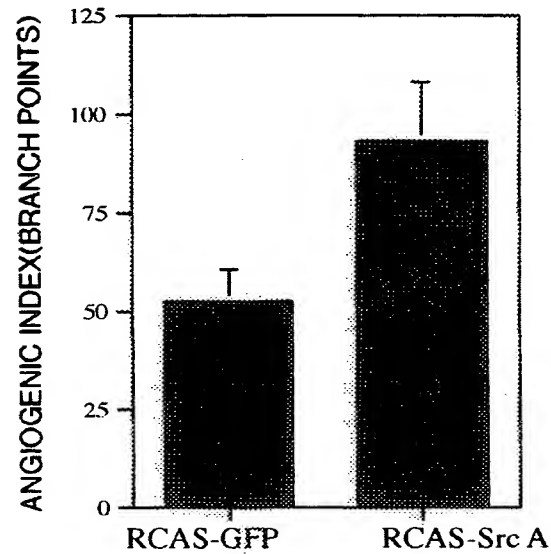
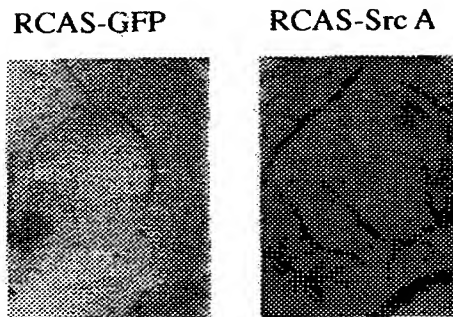
FIG. 4

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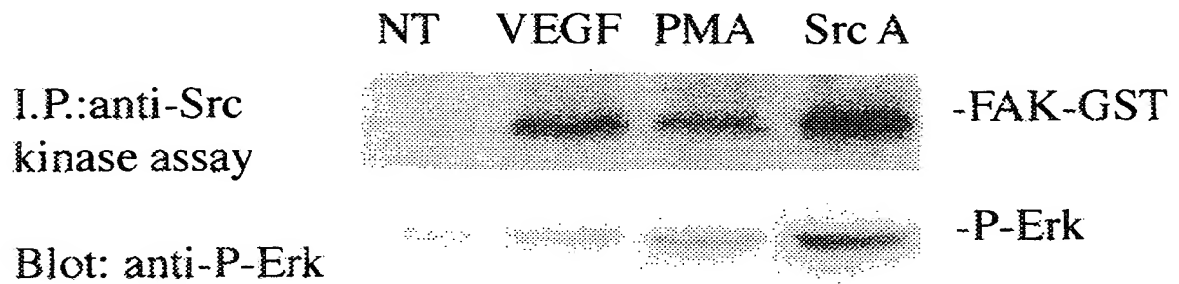
Activation of endogenous Src activity by bFGF and VEGF

**FIG. 5**

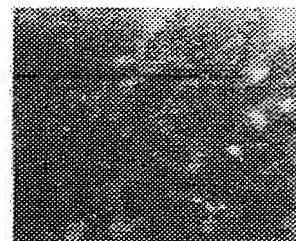
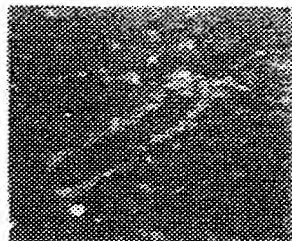
Effect of RCAS-mediated expression of
Src A on angiogenesis in the chick CAM

FIG. 6A**FIG. 6B**

Retroviral expression of Src A activates vascular MAP kinase phosphorylation



Mock



Src A

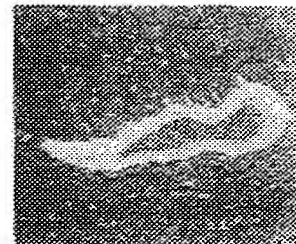
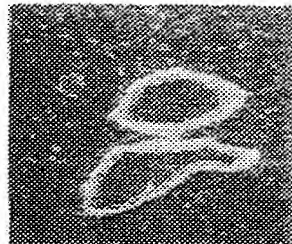


FIG. 7

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Selective requirement for Src activity during VEGF, but not bFGF-induced angiogenesis

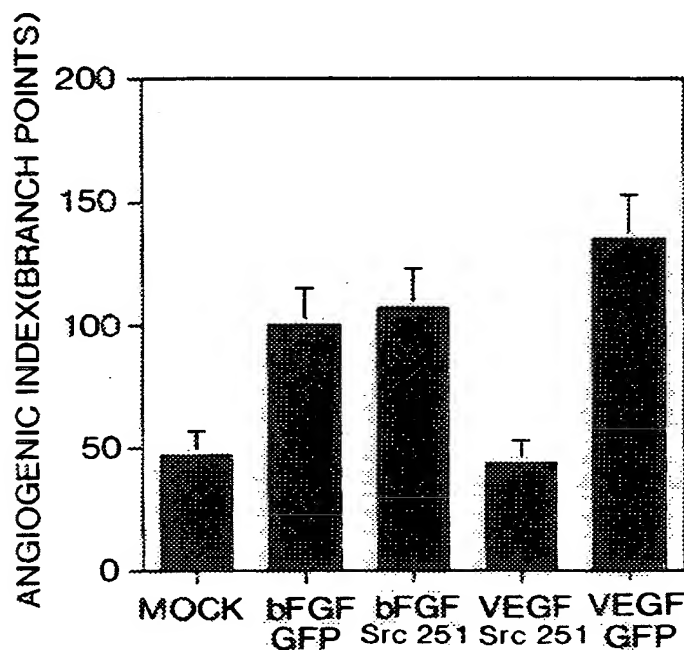


FIG. 8A

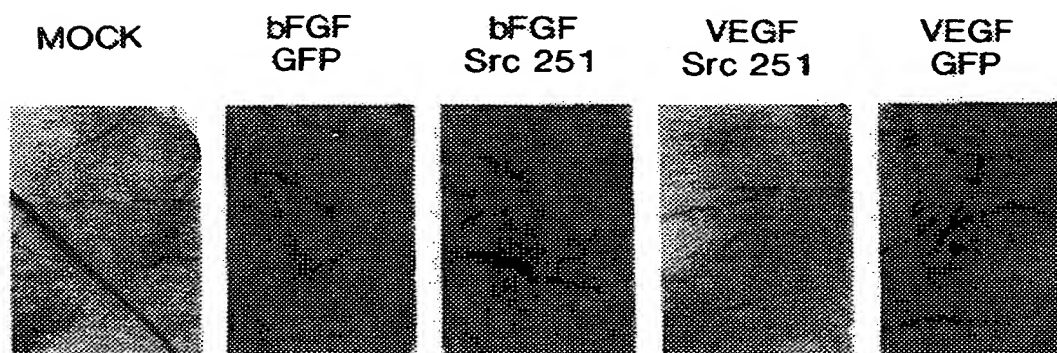
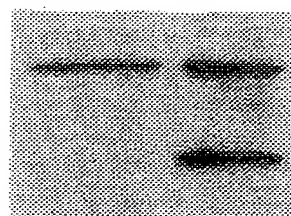


FIG. 8B

MOCK Src 251-myc

BLOT:ANTI-Src



- Src 251

FIG. 8C

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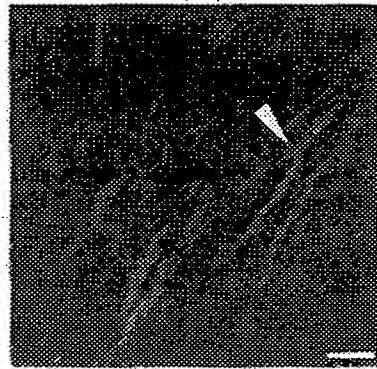


FIG. 9A

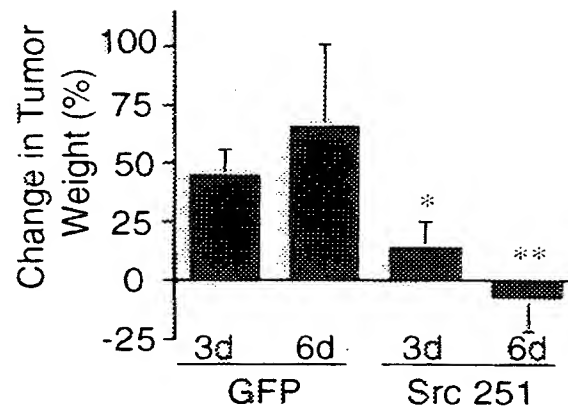


FIG. 9B

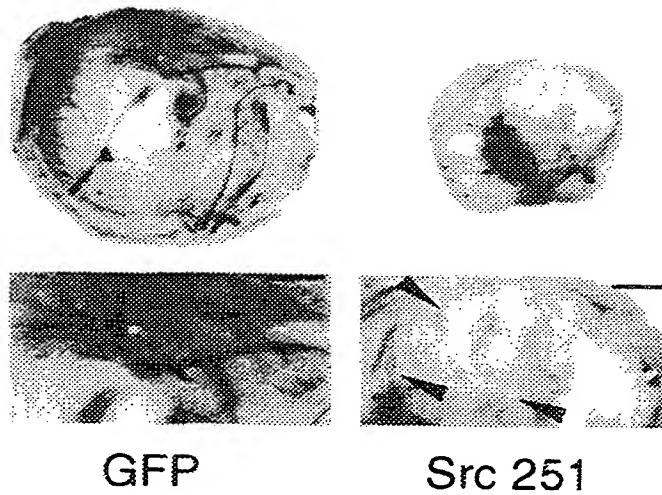


FIG. 9C

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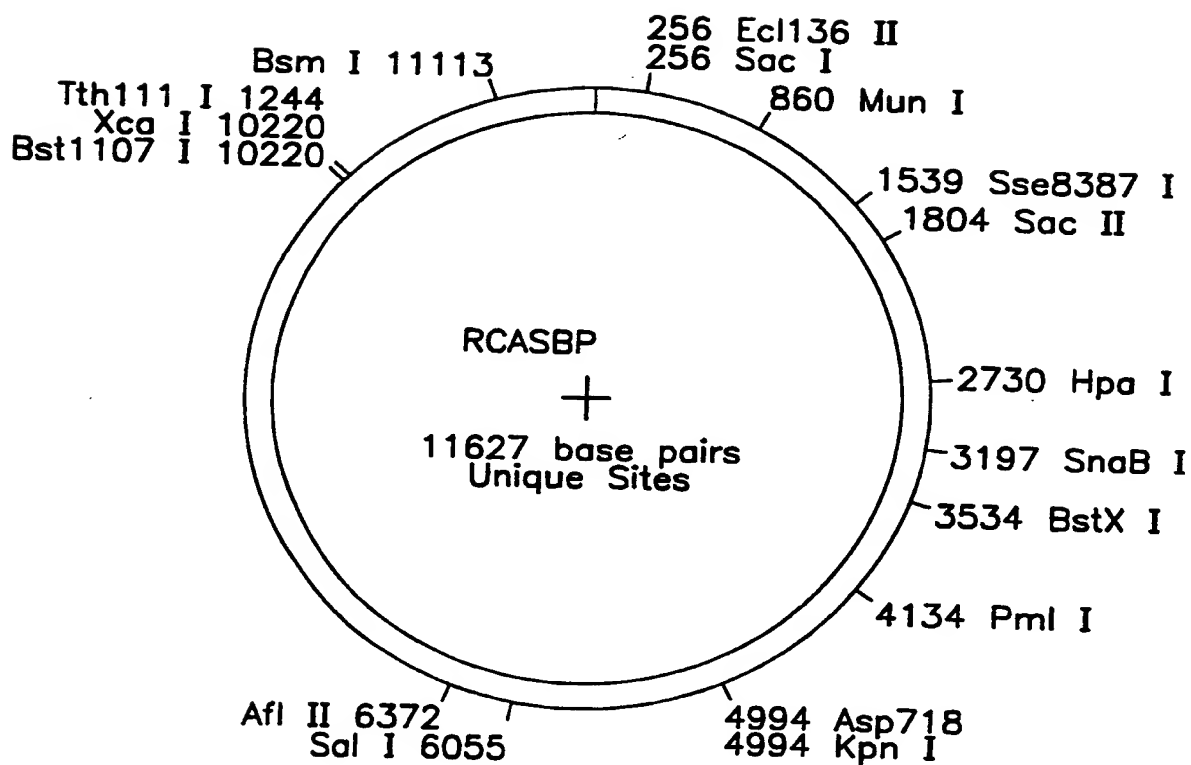


FIG. 10